Claims

What is claimed is:

1. A method of disconnecting one end of a tubing from another end of the tubing, comprising:

holding the tubing in a stationary position at a first location and a second location; and

shearing the tubing at one or more locations between the first location and the second location to form at least a first section of tubing and a second section of tubing.

- The method of claim 1, further comprising:
 moving the first section of tubing away from the second section of tubing.
- The method of claim 1, further comprising:
 isolating the first section of tubing from the second section of tubing.
- The method of claim 1, further comprising:
 releasing pressurized fluidic materials from the first section of tubing.
- The method of claim 1, further comprising:
 releasing the first section of tubing.

- 6. The method of claim 1, further comprising: shearing the tubing at a plurality of locations between the first location and the second location.
- 7. The method of claim 6, further comprising: crimping the tubing at the plurality of locations between the first location and the second location.
- 8. The method of claim 5, further comprising:floating an end of the first section of tubing upon the surface of a body of water.

9. A system for disconnecting one end of a tubing from another end of the tubing, comprising:

means for holding the tubing in a stationary position at a first location and a second location; and

means for shearing the tubing at one or more locations between the first location and the second location to form at least a first section of tubing and a second section of tubing.

- 10. The system of claim 9, further comprising: means for moving the first section of tubing away from the second section of tubing.
- The system of claim 9, further comprising:means for isolating the first section of tubing from the second section of tubing.
- 12. The system of claim 9, further comprising:means for releasing pressurized fluidic materials from the first section of tubing.
- 13. The system of claim 9, further comprising:means for releasing the first section of tubing.

- 14. The system of claim 9, further comprising: means for shearing the tubing at a plurality of locations between the first location and the second location.
- The system of claim 14, further comprising:means for crimping the tubing at the plurality of locations between the first location and the second location.
- 16. The system of claim 13, further comprising: means for floating an end of the first section of tubing upon the surface of a body of water.

- 17. A system for disconnecting one end of a tubing from another end of the tubing, comprising:
 - a first holding device for holding the tubing at a first location;
 - a second holding device coupled to the first holding device for holding the tubing at a second location; and
 - at least one shearing device coupled to the first and second holding devices for shearing the tubing at a location between the first and second locations to form at least a first and a second section of tubing.
- 18. The system of claim 17, further comprising:
 - an actuator device coupled to the first and second holding devices for moving the first section of tubing away from the second section of tubing.
- 19. The system of claim 18, wherein the actuator device comprises:
 - an inner sleeve defining a passage for receiving the tubing and comprising a flange coupled to the first holding device;
 - an outer sleeve defining a passage for receiving the inner sleeve comprising a flange coupled to the second holding device;
 - one or more actuators for displacing the flanges of the inner and outer sleeves away from one another; and
 - one or more shear pins for releasably coupling the inner and outer sleeves.

- 20. The system of claim 19, wherein the outer sleeve further defines one or more radial passages for venting pressurized fluidic materials from the tubing.
- 21. The system of claim 19, wherein the outer sleeve defines an annular piston chamber and a radial passage for pressurizing the annular piston chamber; and wherein the actuator comprises:
 - a spring element received within the annular piston chamber; and a tubular piston received within the annular piston chamber.
- 22. The system of claim 17, further comprising: an isolator device coupled to the first and second holding devices for isolating the first and second sections of tubing.
- 23. The system of claim 17, wherein the first holding device is adapted to release the first section of tubing.
- 24. The system of claim 17, wherein the shearing device comprises:
 a plurality of shearing devices for shearing the tubing at a plurality of locations
 between the first location and the second location.
- 25. The system of claim 24, wherein each of the shearing devices are adapted to crimp the tubing.

26. The system of claim 17, further comprising:a floatation device for floating an end of the first section of tubing upon the

surface of a body of water.

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27. A method of disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

holding the tubing on the offshore platform in a stationary position at a first location and a second location;

shearing the tubing on the offshore platform at a location between the first location and the second location to form a first section of tubing and a second section of tubing;

moving the first section of tubing away from the second section of tubing; isolating the first section of tubing from the second section of tubing; releasing pressurized fluidic materials from the first section of tubing; and releasing the first section of tubing off of the offshore platform.

28. A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

means for holding the tubing on the offshore platform in a stationary position at a first location and a second location;

means for shearing the tubing on the offshore platform at a location between the first location and the second location to form a first section of tubing and a second section of tubing;

means for moving the first section of tubing away from the second section of tubing;

means for isolating the first section of tubing from the second section of tubing;
means for releasing pressurized fluidic materials from the first section of tubing;
and

means for releasing the first section of tubing off of the offshore platform.

- 29. A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:
 - a first pipe ram assembly comprising:
 - a first pipe ram housing defining a first pipe ram passage for receiving the tubing; and
 - a first pipe ram movably coupled to the first pipe ram housing for controllably engaging the tubing within the first pipe ram passage; a first slip ram assembly coupled to the first pipe ram assembly comprising:
 - a first slip ram housing defining a first slip ram passage for receiving the tubing; and
 - a first slip ram movably coupled to the first slip ram housing for controllably engaging the tubing within the first slip ram passage; an hydraulic jack assembly coupled to the first slip ram assembly comprising: an inner tubular member defining a inner tubular member passage for receiving the tubing and comprising an inner tubular member flange at one end;
 - an outer tubular member defining one or more radial passages for receiving the inner tubular member and comprising an outer tubular member flange at one end;
 - one or more shear pins coupled between the inner and outer tubular members; and

one or more hydraulic jacks coupled between the inner tubular member flange and outer tubular member flange for controllably displacing the inner and outer tubular member flanges;

- a blind ram assembly coupled to the offshore platform and the hydraulic jack assembly comprising:
 - a blind ram housing defining a blind ram passage for receiving the tubing; and
 - a blind ram movably coupled to the blind ram housing for controllably sealing off the blind ram passage;
- a shear ram assembly coupled to the offshore platform and the blind ram assembly comprising:
 - a shear ram housing defining a shear ram passage for receiving the tubing; and
 - a shear ram movably coupled to the shear ram housing for controllably shearing the tubing;
- a second pipe ram assembly coupled to the offshore platform and the shear ram assembly comprising:
 - a second pipe ram housing defining a second pipe ram passage for receiving the tubing; and
 - a second pipe ram movably coupled to the second pipe ram housing for controllably engaging the tubing within the second pipe ram passage; and

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a second slip ram assembly coupled to the offshore platform and the second pipe ram assembly comprising:

a second slip ram housing defining a second slip ram passage for receiving the tubing; and

a second slip ram movably coupled to the second slip ram housing for controllably engaging the tubing within the second slip ram passage.

30. A method of disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

shearing and crimping the tubing on the offshore platform at a first location and a second location to form a first, a second, and a third section of tubing; restraining the movement of the first section of tubing on the offshore platform; releasing the third section of tubing from the offshore platform; and floating the third section of tubing upon the surface of a body of water.

31. A system for disconnecting one end of a coiled tubing from another end of coiled tubing on an offshore platform, comprising:

means for shearing and crimping the tubing on the offshore platform at a first location and a second location to form a first, a second, and a third section of tubing;

means for restraining the movement of the first section of tubing on the offshore platform;

means for releasing the third section of tubing from the offshore platform; and means for floating the third section of tubing upon the surface of a body of water.

- 32. A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:
 - a housing defining a first passage, a first chamber, a second passage, a second chamber, and a third passage for receiving the tubing coupled to the offshore platform, wherein the third passage is larger than the first and second passages;
 - a first crimp and cut assembly comprising:
 - a first upper crimp and cut clamp and a first lower crimp and cut clamp

 movably supported within the first chamber for cooperatively

 crimping and cutting the tubing within the first chamber; and
 a second crimp and cut assembly comprising:
 - a second upper crimp and cut clamp and a second lower crimp and cut clamp movably support within the second chamber for cooperatively crimping and cutting the tubing within the second chamber; and
 - a floatation device defining a fourth passage for receiving the tubing movably coupled to the housing, wherein the fourth passage is smaller than the third passage.

33. A method of disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

holding the tubing in a stationary position on the offshore platform at a first location and a second location;

shearing the tubing on the offshore platform at a plurality of locations between
the first location and the second location to form a first section of tubing, a
second section of tubing, and a third section of tubing; and
moving the first section of tubing away from the third section of tubing on the
offshore platform.

34. A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

means for holding the tubing in a stationary position on the offshore platform at a first location and a second location;

means for shearing the tubing on the offshore platform at a plurality of locations between the first location and the second location to form a first section of tubing, a second section of tubing, and a third section of tubing; and means for moving the first section of tubing away from the third section of tubing on the offshore platform.

- 35. A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:
 - a first packoff assembly defining a first passage for receiving the tubing comprising:
 - a first packer and a first slip for engaging the tubing within the first passage; and
 - a first actuator for controlling the operation of the first packer and the first slip;
 - a first tubing cutter valve assembly coupled to the first packoff assembly defining a second passage for receiving the tubing comprising:
 - a first cutter valve for shearing the tubing within the second passage; and a second actuator for controlling the operation of the first cutter valve;
 - a separator assembly coupled to the first tubing cutter valve assembly comprising:
 - a housing defining a third passage for receiving the tubing, an annular piston chamber, and a radial passage for pressurizing the annular piston chamber;
 - a spring element received within the annular piston chamber;
 - a tubular piston received within the annular piston chamber;
 - a tubular member received within the third passage defining a fourth

passage for receiving the tubing and comprising a flange; and a shear pin for releasably coupling the tubular member and the housing;

a second tubing cutter valve assembly coupled to the offshore platform and the separator assembly defining a fifth passage for receiving the tubing comprising:

a second cutter valve for shearing the tubing within the fifth passage; and a third actuator for controlling the operation of the second cutter valve;

and

a second packoff assembly coupled to the offshore platform and the second tubing cutter valve assembly defining a sixth passage for receiving the tubing comprising:

a second packer and a second slip for engaging the tubing within the sixth passage; and

a fourth actuator for controlling the operation of the second packer and the second slip.